

# Seun Alabi

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## EDUCATION

**Obafemi Awolowo University**  
*Bachelor of Science in Computer Science*

Ile Ife, Osun State  
Aug. 2017 – May 2023

## EXPERIENCE

**Software Engineering Laboratory Assistant**  
*Obafemi Awolowo University*

Aug. 2021 – May 2023  
Ile Ife, Osun State

- Assisted in conducting software engineering labs, providing technical support, and grading assignments.
- Collaborating with my supervisor on research and prepared exam questions for computer-based tests.
- Developed various personal and group software projects.
- Completed a Cisco Networking course in campus gaining knowledge and skills in networking and security.

**AWS Cloud Club Member**  
*Obafemi Awolowo University*

Aug. 2021 – May 2023  
Ile Ife, Osun State

- Participated in and led cloud computing workshops and projects, gaining practical experience with AWS services such as EC2, S3, Lambda, and DynamoDB.
- Attended conferences and events related to cloud computing.
- Earned certifications including AWS Certified Cloud Practitioner (CPP) and AWS Certified Solution Architect - Associate (SAA).

**Front-End Developer**  
*Flippay.co*

May 2020 – Sep. 2021  
Ikorodu, Lagos

- Developed user interfaces for the homepage and dashboard using ReactJS and Material UI, enhancing the user experience for a crypto and gift cards platform.
- Integrated REST APIs to authenticate users and deliver dynamic content, ensuring secure and efficient data handling.

## PROJECTS

**Cloud Resume Challenge** | *Python, S3, Dynamo, CloudFront, Lambda, Api Gateway, React* June 2020 – Present

- Developed a responsive portfolio website ([seunalabi.com](https://seunalabi.com)) using React, integrated with an API to display a dynamic visitor count.
- Deployed the React portfolio website to an Amazon S3 bucket with public access, secured it with HTTPS using CloudFront, and linked it to a custom domain via Route53.
- Used DynamoDB to persist visitor counts, implementing an efficient single-query method to update and retrieve the count.
- Created a Python-based Lambda function for DynamoDB interaction, with proper IAM roles and policies for secure access.
- Automated infrastructure setup and deployment using a SAM template and GitHub Actions, including build, test, and deployment processes.
- Automated frontend deployment to the S3 bucket and CloudFront cache invalidation using GitHub Actions, ensuring secure storage of AWS credentials in GitHub Secrets.

**Food Ordering and Delivery Service** | *Python, Cognito, DynamoDB, Lambda, API Gateway* May 2024

- Developed a full-stack food ordering and delivery service allowing users to find restaurants, place orders, and track delivery status in real-time.
- Implemented user registration and authentication using AWS Cognito, enabling secure sign-ups and logins.
- Created REST APIs with AWS API Gateway and Lambda for order management, ensuring idempotency and reliability.
- Integrated asynchronous processing using Amazon EventBridge and SQS for decoupled and scalable backend services.
- Set up CI/CD pipelines using CodeCommit and CodePipeline to automate testing and deployment processes.
- Built a polling service to enable customers to track order status and integrated it with the orders event bus.
- Enhanced system observability with AWS CloudWatch, incorporating metrics and structured logging for monitoring and debugging.

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, HTML/CSS, SQL

**Frameworks:** Node.js, Flask, Django, FastAPI, React, WordPress

**Cloud Skills:** Linux, AWS CLI, CloudFormation, AWS SAM, Terraform, EC2, Lambda, S3, DynamoDB, API Gateway, CloudFront, Cognito, SQS, SNS, EC2 Instances, Cloud9, Route 53, Load Balancers, EC2 Auto Scaling, RDS, Aurora, EventBridge, Cypress, Pytest, Github Actions, AWS CodeCommit, AWS CodePipeline

## CERTIFICATIONS

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**AWS Certified Solutions Architect - Associate** — *Link*

Achieved: September 2023

**AWS Certified Cloud Practitioner** — *Link* — V16GPSM1VERQQZG1

Achieved: September 2023

**Cisco Networking Essentials** — *Link*

Achieved: January 2022